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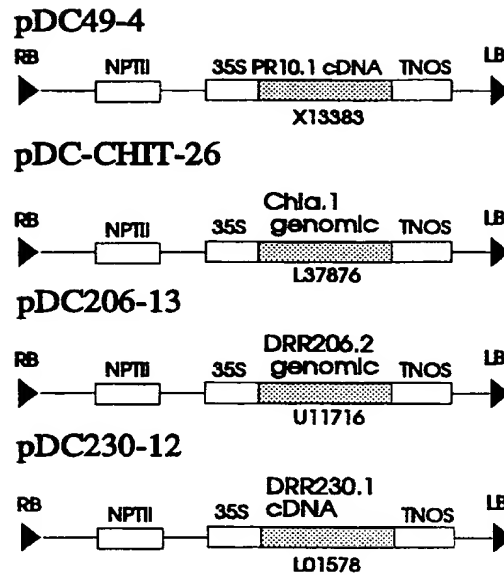


FIGURE 1

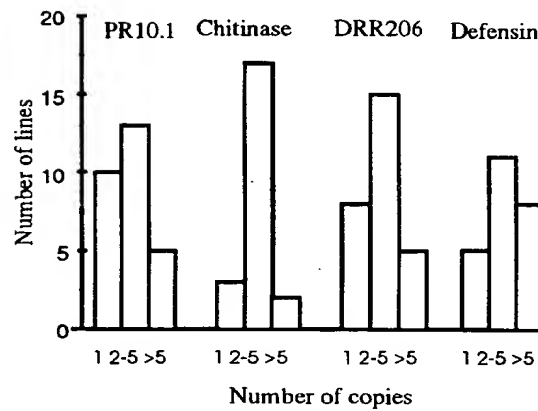


FIGURE 2

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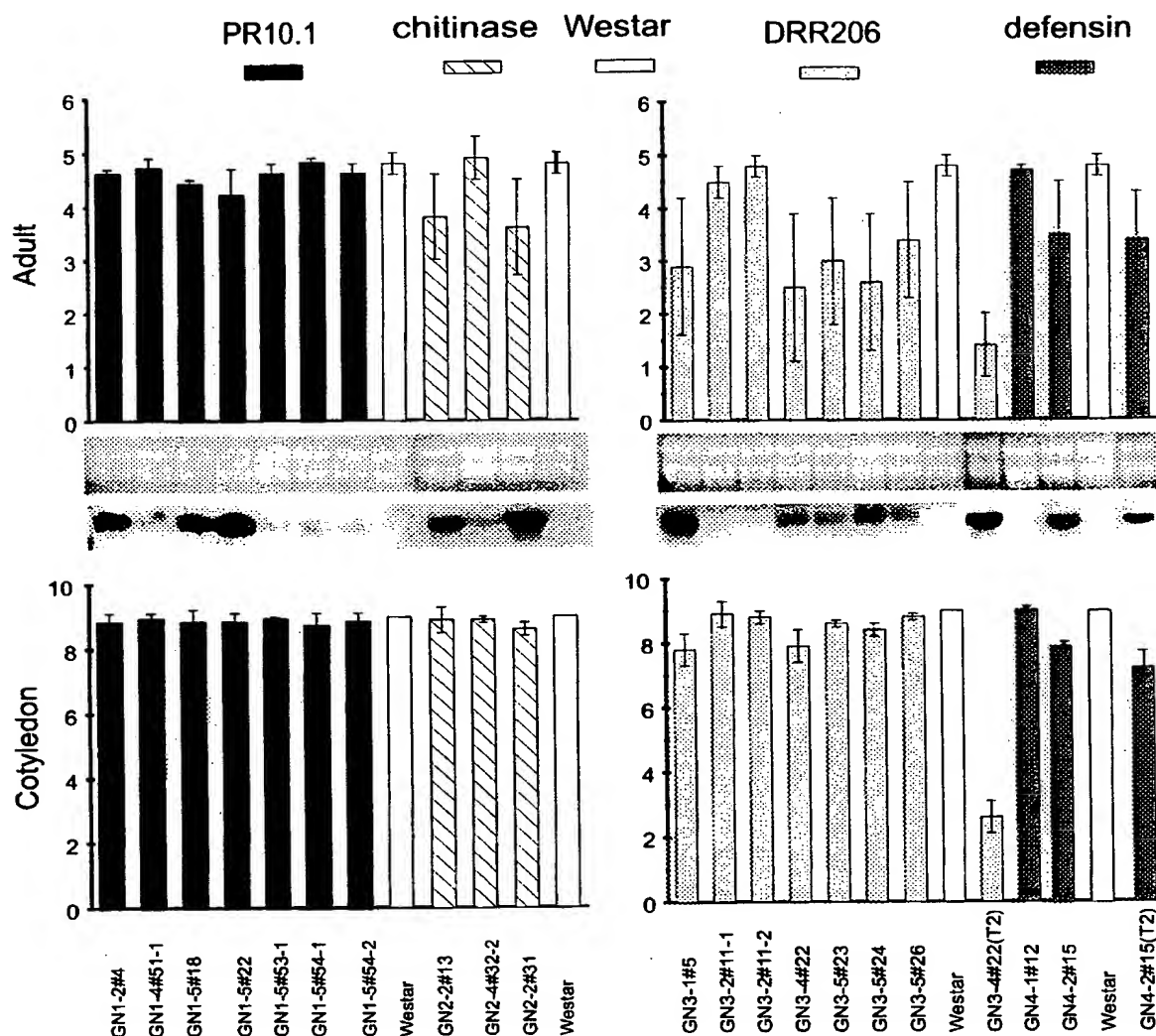


FIGURE 3

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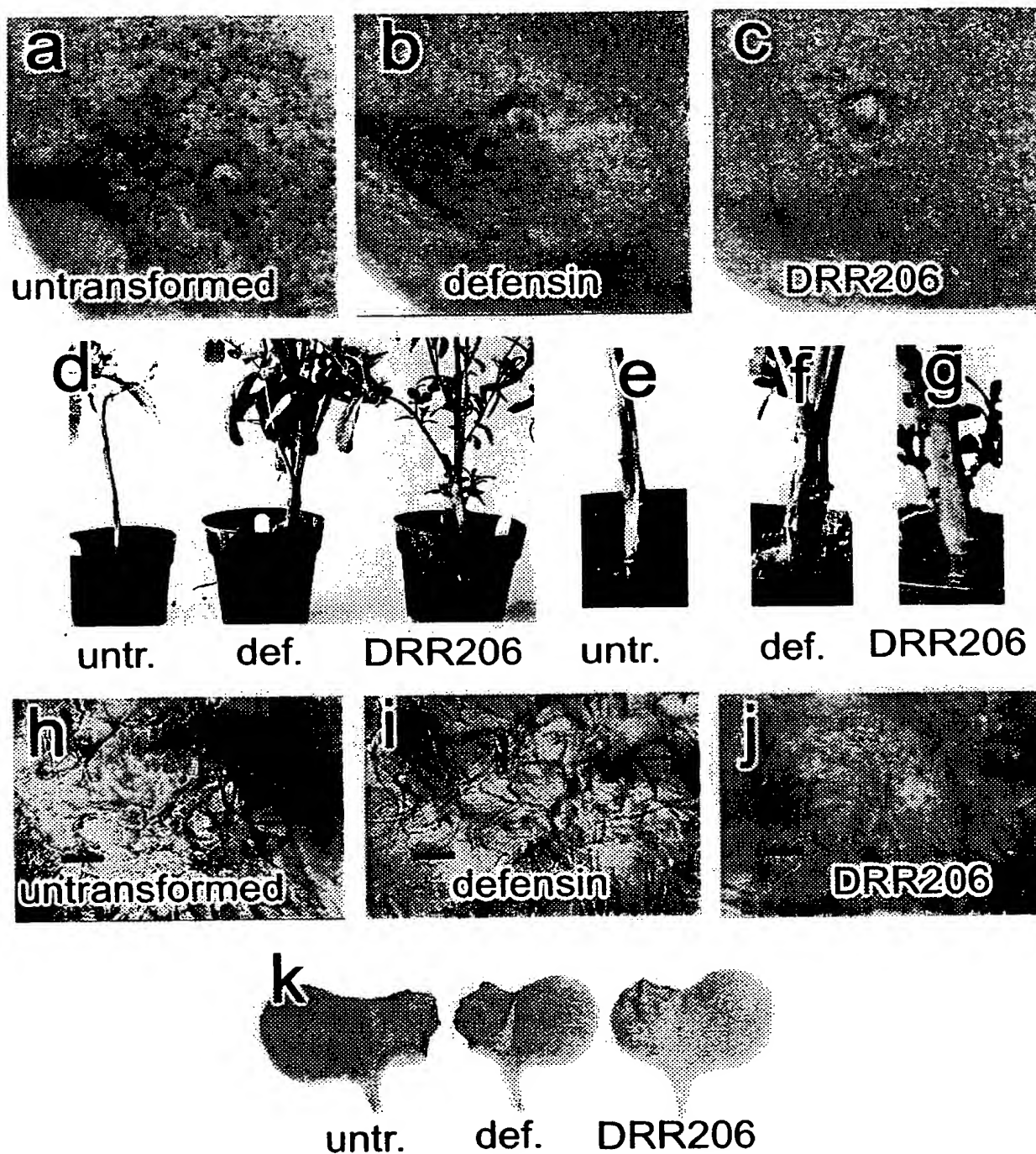


FIGURE 4

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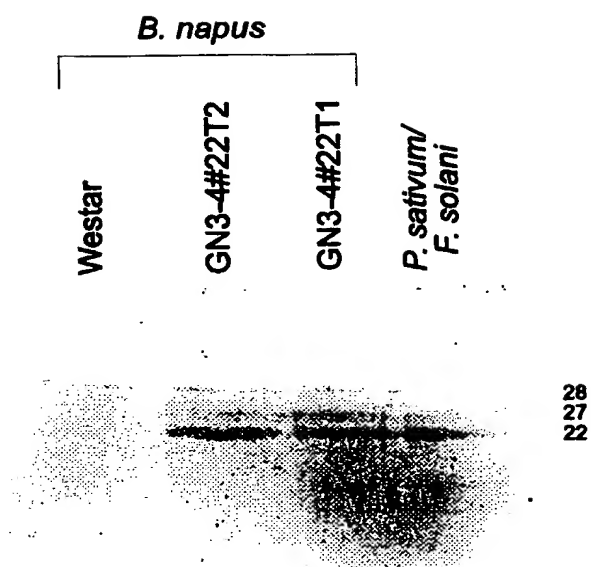


FIGURE 5

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Drr206-transformed or untransformed B.napus  
inoculated with L.maculants

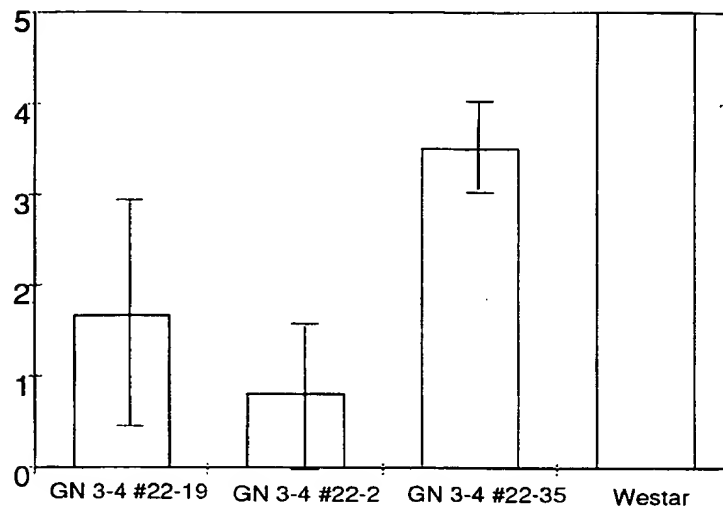


Figure 6

Drr206-transformed or untransformed B. napus  
inoculated with Sclerotinia sclerotiorum

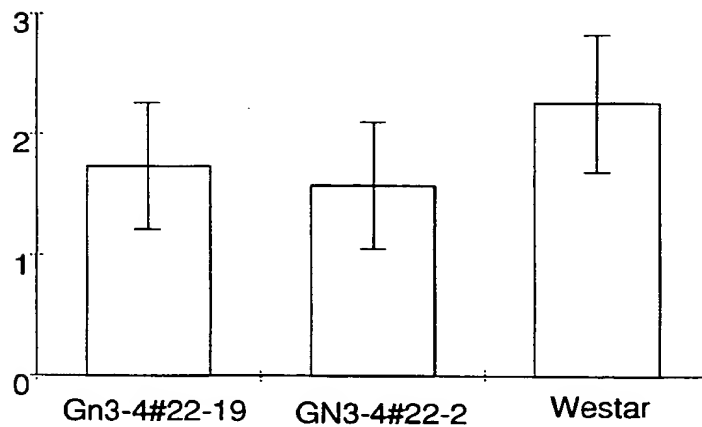


Figure 7

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DRR206c genomic sequence, GenBank accession number AF115574  
Protein coding sequence is shown in translation.

TCGAGTTTGA	ATATTGTGTT	TAATAAATTT	ATACAGAGTT	TCGTTTGATT	TTATTTAAAT	60
CTTCTAGATA	TTGAGTTGAG	TTACTCAATA	AATTTTTTGC	TCCGTCTTCC	ATTGAATTTT	120
TCGGTCATAA	GGGTAAAGTA	GTTAAAAAAA	AGAAAATAAT	TATGACAGAG	ATATTGAGTT	180
GTTAATATAT	ATATATATAT	ATATATATAT	ATATATATAT	ATATATATAT	ATATATATAT	240
ATATATATAT	ATATTTTTTT	TTGTGTGTGT	GAAAAATTAA	AAAAATAAAG	AATAAATATT	300
ATATAGAGAA	AATGAATTTA	TAAGAGATGT	GATTCATTTT	TCTATTGTTT	TACGGTTTTT	360
TTTCGATGAAT	ATCTAATGTT	AATGTCTCTT	AAATCTCGAA	TGATTGTCTT	ATCGATATTT	420
ATGGATCTCA	CTCTTCGAAG	TCTCCAATGG	TATAAGAGTT	CTGTTGTTAA	ATTTTGGTGA	480
ATACACCTTT	ACACGTCTCA	TTTGTCAAGT	CCTAGATGTT	AGGGAGTGTG	TTAAAAGTGT	540
CGGTATTAAA	CATTATATAT	TTAAAATATT	TTATAAATCG	GATAACTCAT	CGGTCTACAA	600
ATCAATTTTG	TAGAGTTGAA	TTACATTCGA	TCACATTTTT	AAAATATATA	TTTTTTAAAT	660
TAAATTTAAT	ATTTTGGGAG	ATAAAACATT	AGTATTAACCT	AAAATTCTAT	ACAATTAACCT	720
AATTTGAGAA	AAAATTAATT	AATAGATCAC	ATAGCCACCT	TACCTCATTG	GACTAAACGT	780
CAAGGTCTTC	TAAGAGAATT	TGAGTTACAT	CACACCCCAA	AATTTTAAAT	TAATAAATAT	840
TTATTATATT	TGTCTTATAT	ATCTTACAAT	TTTTTATTAG	ATTCTTTGAA	AGAAAAATAA	900
ATAAGTTTGA	ATTGTTTTCA	AATAAATTAA	ATTAAGATTT	TTCTTCTTCT	CTTATAAAAG	960
GGCAATACAA	CCATAGTCTA	AACCAAATCC	TTCCACTCCT	TCTTTACTTT	CAAGTTCCAA	1020
TAGCTAAGTA	ATAAAATGGG	TTCCAAACTT	CCAGTACTGT	TTGTTTTTGT	GATGTTGTTT	1080
	M G S K L	P V L F	V F V	M L F		15
GCTTTAAGTT	CAGCCATTCC	AAACAAGAGA	AGCCATATA	AACCATGCAA	AAACCTAGTC	1140
A L S S	A I P	N K R	K P Y K	P C K	N L V	35
CTTTATTTTC	ATGATATACT	TTACAATGGA	AAGAATGCAG	CAAATGCAAC	ATCAGCAATA	1200
L Y F H	D I L	Y N G	K N A A	N A T	S A I	55
GTAGCAGCTC	CAGAAGGTGT	TAGTTTAACT	AAATTGGCAC	CTCAATCCCA	CTTTGGTAAC	1260
V A A P	E G V	S L T	K L A P	Q S H	F G N	75
ATAATAGTTT	TTGATGACCC	TATCACATTA	AGCCATAGCC	TTTCTTCAAA	ACAAGTTGGA	1320
I I V F	D D P	I T L	S H S L	S S K	Q V G	95
AGAGCACAAG	GGTTTTATAT	TTATGATACC	AAAAACACAT	ACACTTCTTG	GCTTAGTTTC	1380
R A Q G	F Y I	Y D T	K N T Y	T S W	L S F	115
ACTTTTGTTT	TTAATAGCAC	TCATCATCAA	GGAAACCATTA	CTTTTGCTGG	AGCTGACCCA	1440
T F V L	N S T	H H Q	G T I T	F A G	A D P	135
ATTGTCGCCA	AAACTAGAGA	TATTTCTGTC	ACTGGTGGTA	CTGGAGATTT	CTTTATGCAT	1500
I V A K	T R D	I S V	T G G T	G D F	F M H	155
AGAGGAATTG	CTACTATTAC	CACTGATGCC	TTTGAAGGCG	AGGCTTATTT	TCGACTTGGT	1560
R G I A	T I T	T D A	F E G E	A Y F	R L G	175
GTTTACATCA	AGTTCCTTGA	GTGTTGGTAA	CTATCAAATT	AAGTACTACT	TGCTATAGTA	1620
V Y I K	F F E	C W *				184
AAACCAATTA	AATTTGAAGT	TAAATTGTTG	TTGTCTCTTT	TCATGTTGTG	TTTTTTAATT	1680
AATTAGCCCA	GAAAGTATAC	TTTGTACTTT	TTTATTCTCT	AAGATTATTA	TCAATAAATG	1740
AAGATTCTAT	TAACTATTTT	CTTTTTTTAG	AATAAGCATA	TCACTTTTTT	ATATTGACTT	1800
ATAAGATAAA	TAAATTCTTG	TCAATATTAT	TTTTCAAACA	ACACAAAAAT	TATAAATGAC	1860
ATTGAATCGA	CATAAGTAGC	TAAGCACACA	CATGTAAATG	AAACCGTGTA	GGAGGATTGG	1920
AAGAGTTATT	AGCTGAAGTG	GATGAGGATT	GAGTCTGACA	GTTACTATTT	TCCTAGTCTA	1980
AAAGTCCATG	GCAAACACCA	TGAGTGCAAA	ACTGGTTGAA	CGTGGGTATA	ACTCAAATCA	2040
AATAATCTCA	ACAATTTCTT	TTCTTCAAAT	CCTCACATCT	AAAGCTTGTG	ACGAAAATTA	2100
ATCATAAATG	ATATCTCTTT	GTACTTCTTT	TGTTCTCTGT			2140

FIGURE 8 – PRIOR ART

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Pea defensin cDNA sequence DRR230-a  
Protein coding sequence is shown in translation.

GATCACACAA	ACACACATAA	CACATTAAGT	GAAGTGAGTC	ATATTAAGTT	TTTATATTCA	60
TCACTACTTA	AGAAGCCATG	GAGAAGAAAT	CACTAGCTTG	CTTGTCCTTC	CTCCTCCTCG	120
	M	E K K S	L A C	L S F	L L L V	15
TTCTCTTTGT	TGCACAAGAA	ATAGTGGTGA	GTGAAGCAAA	CACATGTGAG	AATTTGGCTG	180
L F V	A Q E	I V V S	E A N	T C E	N L A G	35
GTTTCATATAA	GGGAGTATGC	TTCGGTGGAT	GTGACCGTCA	CTGTAGAACA	CAAGAGGGCG	240
S Y K	G V C	F G G C	D R H	C R T	Q E G A	55
CAATTAGCGG	CAGATGCAGG	GATGACTTTC	GCTGTTGGTG	CACTAAAAAC	TGTTAAATCC	300
I S G	R C R	D D F R	C W C	T K N	C *	72
CTTTTCTCCA	ACACCAACAA	CACCCATATA	TAATACTATA	ATATAAATAA	ATAAACAAGT	360
GTTGTTTCGA	ATTCTATGTG	TGTACTCAAT	ATCGTGTATA	ACGTGTTTGT	TATGCACTTT	420
TATCATATCA	TATGGAATAA	AAAGTAATCA	ATCATTTCCT	TTCCAAAA		468

FIGURE 9 – PRIOR ART